Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/01/2020 08:50 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124431	-1	3.88	124588	3.91
Blue	F	SSC	125000	124684	-1	1.69	125400	1.66
Blue	E	FITC	15892	15499	-3	2.85	339	21.09
Blue	D	PE	29999	29384	-3	1.98	640	15.30
Blue	B	PerCP-Cy5-5	43732	43380	-1	3.84	1163	21.26
Blue	A	PE-Cy7	30845	30770	-1	6.36	594	44.03
Red	C	APC	46112	45051	-3	2.42	1588	12.08
Red	A	APC-Cy7	30458	29434	-4	2.37	789	12.04
Violet	B	V450	7918	7658	-4	4.52	436	13.05
Violet	A	V500	32171	30810	-5	4.31	721	10.52

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16683	23.44	656	35	N/A	N/A	Pass
Blue	F	SSC	57198	1.22	589	30	N/A	N/A	Pass
Blue	E	FITC	62	69.19	555	12	0.0186	210	Pass
Blue	D	PE	133	51.97	561	13	0.1506	275	Pass
Blue	B	PerCP-Cy5-5	213	52.61	669	13	0.0083	71	Pass
Blue	A	PE-Cy7	110	109.34	715	17	0.0092	17	Pass
Red	C	APC	382	25.76	590	6	0.0253	230	Pass
Red	A	APC-Cy7	176	29.46	561	5	0.0055	1344	Pass
Violet	B	V450	65	59.75	461	3	0.0532	2152	Pass
Violet	A	V500	107	35.36	476	2	0.0245	1096	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/01/2020 08:50 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-33.35	-32.91	0.98
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.38
Red	16.18	13.60 - 20.40	N/A	N/A	30.18	30.62	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.72

Threshold

Threshold (FSC): 9851

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments